

DEPARTMENT OF TRANSPORTATION**DIVISION OF ENGINEERING SERVICES**

Office of Structural Materials

Quality Assurance and Source Inspection



Bay Area Branch
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Contract #: 04-0120F4Cty: SF/ALA Rte: 80 PM: 13.2/13.9File #: 69.15**SOURCE INSPECTION REPORT****Resident Engineer:**Siegenthaler, Peter**Address:** 333 Burma Road**City:** Oakland, CA 94607**Report No:** SIR-003342**Date Inspected:** 28-May-2011**Project Name:** SAS Superstructure**OSM Arrival Time:** 1500**Prime Contractor:** American Bridge/Fluor Enterprises, a JV**OSM Departure Time:** 300**Contractor:** Zhenhua Port Machinery Company, Ltd (ZPMC), Changxing Island **Location:** Changxing Dao, Shanghai**Quality Control Contact:** Don Walton**Quality Control Present:** Yes No**Material transfer:** Yes No N/A**Sampled Items:** Yes No N/A**Stock Transfer:** Yes No N/A**OK to Cut:** Yes No N/A**Rebar Test Witness:** Yes No N/A**Delayed/Cancelled:** Yes No N/A**Other:** Coatings Inspection**Bridge No:** 34-0006**Component:** Sub-Assemblies (OBG)**Bid Item:** 77,78,79**Lot No:****Summary of Items Observed:**

On this date Caltrans Office of Structural Materials (OSM) Quality Assurance (QA) NACE III coating inspector, Mr. Kenneth W. Cason Jr. arrived on site at the Zhenhua Port Machinery Company (ZPMC) facility at Changxing Island in Shanghai, China. The purpose of the coating inspections is to monitor the surface preparation and coating applications for the SAS Bay Bridge project. This QA NACE III coating inspector observed the following:

Sub-Assemblies (OBG)

13AE Internal West Section Entire Floor from PP118 to PP119-1.5M, NOI Number 6753: In preparation for undercoat installation and in accordance with project specifications, this inspector along with ABF and ZPMC Quality Assurance/Control representatives observed the surface preparation on 13AE Internal West Section Entire Floor from PP118 to PP119-1.5M. ABF Quality Assurance personnel instructed ZPMC to re-submit for inspection prior to proceeding with process to the next check point.

14AE Cross Beam Terminal Diaphragm Faying Surfaces Internal and External, 1 4AE Bottom Plate Faying Surfaces, 14AW Cross Beam Terminal Diaphragm Faying Surfaces Internal and External and 14AW Bottom Plate Faying Surfaces, NOI Number 6754: In accordance with project specifications, ABF and ZPMC Quality Assurance/Control representatives observed the surface condition on 14AE Cross Beam Terminal Diaphragm Faying Surfaces Internal and External, 1 4AE Bottom Plate Faying Surfaces, 14AW Cross Beam Terminal Diaphragm Faying Surfaces Internal and External and 14AW Bottom Plate Faying Surfaces in preparation for blasting operations. No discrepancies noted and ABF Quality Assurance personnel instructed ZPMC to proceed with process to the next check point.

SOURCE INSPECTION REPORT

(Continued Page 2 of 3)

13AW Internal Entire Surface from PP118 to PP119-1500, NOI Number 6755: In accordance with project specifications, ABF and ZPMC Quality Assurance/Control representatives observed the surface condition on 13AW Internal Entire Surface from PP118 to PP119-1500 in preparation for blasting operations. ABF Quality Assurance personnel instructed ZPMC to re-work and re-submit for inspection due to the presence of oil and grease on substrate.

13AE Internal East Section Ceiling & Vertical of Floor Beam from PP118 to PP119-1500, NOI Number 6756: In preparation for undercoat installation and in accordance with project specifications, this inspector along with ABF and ZPMC Quality Assurance/Control representatives observed the surface preparation on 13AE Internal East Section Ceiling & Vertical of Floor Beam from PP118 to PP119-1500. ABF Quality Assurance personnel instructed ZPMC to re-submit for inspection prior to proceeding with process to the next check point due to additional required blasting.

13AW Internal Entire Surfaces from PP118 to PP119-1500, NOI Number 6757: In accordance with project specifications, ABF and ZPMC Quality Assurance/Control representatives observed the surface condition on 13AW Internal Entire Surface from PP118 to PP119-1500 in preparation for blasting operations. No discrepancies noted on East and West sections and ABF Quality Assurance personnel instructed ZPMC to proceed with process to the next check point. ABF Quality Assurance personnel instructed ZPMC to re-work Center Section and re-submit for inspection due to the presence of oil and grease on substrate.

14AE Cross Beam Bottom Plate, NOI Number 6758: In accordance with project specifications, ABF and ZPMC Quality Assurance/Control representatives observed the surface condition on 14AE Cross Beam Bottom Plate in preparation for blasting operations. No discrepancies noted and ABF Quality Assurance personnel instructed ZPMC to proceed with process to the next check point.

13AE Internal East Section Ceiling & Vertical of Floor Beam from PP118 to PP119-1500, NOI Number 6760: In preparation for undercoat installation and in accordance with project specifications, this inspector along with ABF and ZPMC Quality Assurance/Control representatives observed the surface preparation on 13AE Internal East Section Ceiling & Vertical of Floor Beam from PP118 to PP119-1500. ABF Quality Assurance personnel instructed ZPMC to re-work and re-submit for inspection prior to proceeding to the next check point due to additional required blasting.

13AW Internal Entire Surfaces from End Weld Seam to PP118, NOI Number 6761: In accordance with project specifications, ABF and ZPMC Quality Assurance/Control representatives observed the surface condition on 13AW Internal Entire Surfaces from End Weld Seam to PP118 in preparation for blasting operations. No discrepancies noted and ABF Quality Assurance personnel instructed ZPMC to proceed with process to the next check point.

13AE Internal East Section Ceiling & Vertical of Floor Beam over scaffolding from PP118 to PP119-1500, NOI Number 6763: In preparation for undercoat installation and in accordance with project specifications, this inspector along with ABF and ZPMC Quality Assurance/Control representatives observed the surface preparation on 13AE Internal East Section Ceiling & Vertical of Floor Beam over scaffolding from PP118 to PP119-1500. Test results recorded x3 surface profile readings in the range of 80 to 84 μm . ABF Quality Assurance personnel

SOURCE INSPECTION REPORT

(Continued Page 3 of 3)

instructed ZPMC to re-work and re-submit for inspection prior to proceeding to the next check point due to additional required blasting.

Office

This Quality Assurance Inspector (QA) reviewed, recorded and entered data from notice of inspection requests for the purpose of tracking and compliance to contract documents.

Note: Unless otherwise noted, all work observed on this date appeared to generally comply with applicable contract documents.

Summary of Conversations:

Comments

This report is for the purpose of determining conformance with the contract documents and is not for the purpose of making repair or fit for purpose recommendations. Should you require recommendations concerning repairs or remedial efforts please contact , who represents the Office of Structural Materials for your project.

Inspected By:	Cason,Kenneth
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Quality Assurance Inspector

Reviewed By:	Miller,Mark
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QA Reviewer
